

Name:

Exam Style Questions

Factorisation



Equipment needed: Pen

Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

www.corbettmaths.com/contents

Video 117



Answers and Video Solutions



1. Factorise



$$3y + 15$$

.....
(1)

2. Factorise



$$4w - 6$$

.....
(1)

3. Factorise



$$5m + 15$$

.....
(1)

4. Factorise



$$15y + 20$$

.....
(1)

5. Factorise



$$18x + 9$$

.....
(1)

6. Neena is trying to factorise $22x - 33$



Her answer is $11(2x + 3)$

Explain why Neena is incorrect.

.....
.....

(1)

7. Factorise



$$27x - 45$$

.....
(1)

8. Factorise



$$14x + 20$$

.....
(1)

9. Factorise



$$4x + 12y$$

.....
(1)

10. Factorise fully



$$100x - 40$$

.....
(2)

11. Factorise



$$21x + 35y - 14z$$

.....
(2)

12. Factorise



$$a^2 + 3a$$

.....
(1)

13. Factorise



$$w^2 - 5w$$

.....
(1)

14. Factorise fully



$$2x^2 + 10x$$

.....
(2)

15. Factorise fully



$$9y^2 + 6y$$

.....
(2)

16. Factorise fully



$$24x^2 + 20x$$

.....
(2)

17. Factorise fully



$$21x^2 - 14x$$

.....
(2)

18. George is trying to fully factorise $8x^2 - 12x$



His final answer is $2(4x^2 - 6x)$

Explain why George is incorrect.

.....
.....

(2)

19. Factorise fully



$$24y^2 - 18y$$

.....
(2)

20. Factorise



$$c^3 + 2c$$

.....
(1)

21. Factorise



$$2w^2 + w$$

.....
(1)

22. Factorise fully



$$9m^2 - 12mp$$

.....
(2)

23. Factorise



$$6w + 10x$$

.....
(1)

24. Factorise



$$12 + 4p$$

.....
(1)

25. Factorise



$$y - y^2$$

.....
(1)

26. Factorise fully



$$20a^2c + 30ac$$

.....
(2)

27. Factorise fully



$$6x^3 + 8x^2y$$

.....
(2)

28. Factorise fully



$$w^2y + wy^2$$

.....
(2)

29. Factorise completely



$$8ap + 12cp - 4p^2$$

.....
(3)